

CLAIMS

What is claimed is:

1. An image processing system comprising:
- 5 image-transmitting means for generating and transmitting a first image signal;
- electromagnetic induction means for generating and transmitting a second image signal;
- 10 image processing means for receiving said first image signal and said second image signal to control and perform a plurality of image processing functions, so as to generate a showing signal;
- storage means for accessing image data into said image processing means; and
- 15 display means for receiving said showing signal to display image.
2. The image processing system according to claim 1, wherein said image-transmitting means receives image data by transduction of optical radiation of the image data.
- 20 3. The image processing system according to claim 1, wherein said image-transmitting means receives image data by way of using communication.
4. The image processing system according to claim 1,
- 25 wherein said electromagnetic induction means receives electromagnetic wave signal by way of using electromagnetic induction.
5. The image processing system according to claim 1,

wherein said second image signal comprises an absolute coordinate in order to show the position of the image.

6. The image processing system according to claim 1,
5 wherein said second image signal comprises a pressure value in order to show the size of the image.

7. The image processing system according to claim 1,
10 wherein said plurality of image processing functions comprises a mixing mode.

8. The image processing system according to claim 1,
wherein said plurality of image processing functions comprises a deleting mode.

9. The image processing system according to claim 1,
15 wherein said plurality of image processing functions comprises a broadcasting mode.

10. The image processing system according to claim 1,
20 wherein said plurality of image processing functions comprises a setting mode.

11. A motionless-image processing system comprising:
an image sensing sub-circuit, said image sensing sub-circuit can
25 catches image by transduction of optical radiation of the image data to generate a first image signal;

an image transmitting sub-circuit that is coupled with the external computer to communicate image data;

an electromagnetic induction sub-circuit for receiving the electromagnetic wave signal and generating a second image signal;

an image processing sub-circuit that is coupled with the image sensing sub-circuit to receive said first digital signal, and said image processing sub-circuit is coupled with said transmitting sub-circuit to communicate image data, and said image processing sub-circuit is coupled with said electromagnetic induction sub-circuit to receive said second image signal, wherein said image processing sub-circuit can control to switch all sub-circuits of said motionless-image processing system, and said image processing sub-circuit can perform image processing function to generate an image showing signal according to said first image signal and said second image signal;

a displaying sub-circuit that is coupled with said image processing sub-circuit to receive said image showing signal and show image; and

a storage sub-circuit that is coupled with said image processing sub-circuit to access various image data.

12. The motionless-image processing system according to claim 11, wherein said image sensing sub-circuit comprises an image sensor.

13. The motionless-image processing system according to claim 12, wherein said image sensor comprises a digital camera.

14. The motionless-image processing system according to claim 11, wherein said image transmitting sub-circuit comprises a serial interface.

15. The motionless-image processing system according to claim 14, wherein said serial interface comprises an universal serial bus.

5 16. The motionless-image processing system according to claim 14, wherein said serial interface comprises a recommended standard-232.

10 17. The motionless-image processing system according to claim 11, wherein said electromagnetic induction sub-circuit comprises a tablet.

15 18. The motionless-image processing system according to claim 11, wherein said electromagnetic induction sub-circuit comprises a first processor.

20 19. The motionless-image processing system according to claim 18, wherein said first processor comprises a locus-detecting step to generate a plurality of locus data according to the electromagnetic wave signal.

25 20. The motionless-image processing system according to claim 19, wherein said plurality of locus data comprise a type of data as (Xi, Yi, W), wherein " Xi " and " Yi " indicates the position of coordinates, and " W " indicates the size of locus's diameter.

21. The motionless-image processing system according to claim 18, wherein said first processor comprises a locus-depicting step to

draw a plurality of drops with specific color.

22. The motionless-image processing system according to claim 21, wherein said plurality of drops can be drew by way of using a plurality of locus data (X_i , Y_i) as a plurality of circle centers and $W/2$ as radius thereof.

23. The motionless-image processing system according to claim 11, wherein said electromagnetic induction sub-circuit comprises a second processor.

24. The motionless-image processing system according to claim 23, wherein said second processor comprises a setting function to set the showing format and adjust the display's resolution.

25. The motionless-image processing system according to claim 23, wherein said second processor comprises a deleting function to delete the image.

26. The motionless-image processing system according to claim 23, wherein said second processor comprises a displaying function to show the stored image with specific serial number.

27. The motionless-image processing system according to claim 26, wherein said displaying function comprises an image mixing function to form a mixed image with specific serial number according to said first image signal and said second image signal.

28. The motionless-image processing system according to claim 23, wherein said second processor comprises a broadcasting function to show image.

5 29. The motionless-image processing system according to claim 11, wherein said displaying sub-circuit comprises a liquid crystal display.

10 30. A processing method of a microprocessor of an image processing sub-circuit in the motionless-image processing system, said processing method comprising:

receiving an executive order, and then performing a specific function mode by said executive order to proceed with a image processing procedure; and

15 performing a broadcasting procedure to display image.

20 31. The processing method of said microprocessor according to claim 30, wherein said specific function mode comprises a setting mode.

32. The processing method of said microprocessor according to claim 31, wherein said setting mode comprises an inputting step to input a showing format.

25 33. The processing method of said microprocessor according to claim 31, wherein said setting mode comprises an adjusting step to adjust the resolution of the image.

34. The processing method of said microprocessor according to claim 30, wherein said specific function mode comprises a deleting mode.

5 35. The processing method of said microprocessor according to claim 34, wherein said deleting mode comprises a confirmation step to confirm deletion of the image.

10 36. The processing method of said microprocessor according to claim 34, wherein said deleting mode comprises a step for deleting the image.

15 37. The processing method of said microprocessor according to claim 30, wherein said specific function mode comprises a displaying mode.

20 38. The processing method of said microprocessor according to claim 37, wherein said displaying mode comprises an accessing step to retrieve a specific serial number of the image.

39. The processing method of said microprocessor according to claim 37, wherein said displaying mode comprises a confirmation step to confirm mix of the image.

25 40. The processing method of said microprocessor according to claim 37, wherein said displaying mode comprises an image-mixing step to form a mixed-image with said specific serial number.

41. The processing method of said microprocessor according to claim 37, wherein said displaying mode comprises a step for displaying unmixed-image to show the image with said specific serial number.

42. A processing method of a sub-circuit with electromagnetic induction in the motionless-image processing system, said processing method comprising:

performing a scanning step to receive electromagnetic wave signal;

performing a magnifying/filtering step to generate a signal with a specific frequency;

receiving said signal with said specific frequency and performing a transformation step to generate a digital signal;

receiving said signal with said specific frequency and performing a frequency-calculating step to generate a clock signal;

performing a coordinate-calculating step to calculate an absolute coordinate according said digital signal;

performing a pressure-calculating step to calculate a pressure value according to said clock signal; and

transmitting said absolute coordinate and said pressure value to perform an image-mixing function.

43. The processing method of said sub-circuit with electromagnetic induction according to claim 42, wherein said scanning step is performed by way of using an antenna loop.

44. The processing method of said sub-circuit with

electromagnetic induction according to claim 42, wherein said magnifying/filtering step is performed by way of using an amplifier and a filter.

5 45. The processing method of said sub-circuit with electromagnetic induction according to claim 42, wherein said transformation step is performed by way of using an Analogy/Digital converter.

10 46. The processing method of said sub-circuit with electromagnetic induction according to claim 42, wherein said coordinate-calculating step and said pressure-calculating step are performed by way of using a microprocessor.

15 47. A digital photo-album with handwriting inputting function, said digital photo-album comprising:

 an image-sensor that can catch an image by transduction of optical radiation of the image data;

20 an image signal sub-circuit that is coupled with said image-sensor to receive said image and generate a first image signal;

 a first microprocessor that is coupled with said image signal sub-circuit to receive said first image signal;

 a display driving sub-circuit that is coupled with said first microprocessor to receive a displaying signal;

25 a liquid crystal display that is coupled with said display driving sub-circuit to show various images;

 an inverter sub-circuit that is coupled with said microprocessor to receive an adjusting signal, so as to generate a specific voltage;

a back-lighted module that is coupled with said inverter sub-circuit to receive said specific voltage;

an antenna loop that can receive an electromagnetic wave signal by electromagnetic induction; and

5 an electromagnetic-inducting sub-circuit with a second microprocessor that is coupled with said antenna loop to receive said electromagnetic wave signal, so as to generate a second image signal, wherein said electromagnetic-inducting sub-circuit is coupled with said first microprocessor to transmit said second digital signal, and said first microprocessor can form a mixed-image according to said first image signal and said second image signal; and

a peripheral apparatus that can emit electromagnetic wave signal by way of electromagnetic induction, said peripheral apparatus can input image above said liquid crystal display.

15 48. The digital photo-album according to claim 47, wherein said first microprocessor is coupled with a plurality of mode buttons to select specific modes.

20 49. The digital photo-album according to claim 48, wherein said plurality of mode buttons comprise a broadcast mode button.

50. The digital photo-album according to claim 48, wherein said plurality of mode buttons comprise a deleting mode button.

25 51. The digital photo-album according to claim 47, wherein said first microprocessor is coupled with a plurality of switches to start specific functions.

52. The digital photo-album according to claim 51, wherein said plurality of switches comprise a first switch to control to switch said antenna loop and said electromagnetic-inducting sub-circuit.

53. The digital photo-album according to claim 51, wherein said plurality of switches comprise a second switch to control image variation.

54. The digital photo-album according to claim 51, wherein said plurality of switches comprise a third switch to control to change page of the image.

55. The digital photo-album according to claim 51, wherein said plurality of switches comprise a fourth switch to control to switch said image-sensor.

56. The digital photo-album according to claim 47, wherein said first microprocessor is coupled with a transmitting interface to communicate the external computer.

57. The digital photo-album according to claim 56, wherein said transmitting interface comprises an universal serial bus.

58. The digital photo-album according to claim 56, wherein said transmitting interface comprises a recommended standard-232.

59. The digital photo-album according to claim 47, wherein

said first microprocessor is coupled with a stored device.

60. The digital photo-album according to claim 59, wherein said stored device is coupled with said microprocessor via an accessing interface, so that said microprocessor accesses various image data.

61. The digital photo-album according to claim 47, wherein said display driving sub-circuit is coupled with a adjusting button to adjust the pictures shown on said liquid crystal display.

62. The digital photo-album according to claim 47, wherein said back-lighted module is located under said liquid crystal display.

63. The digital photo-album according to claim 47, wherein said antenna loop is located under said back-lighted module.

64. The digital photo-album according to claim 47, wherein said electromagnetic-inducting sub-circuit comprises:

an amplifier that is coupled with said antenna loop;

a band pass filter that is coupled with said amplifier to generate a signal with a specific frequency;

a shaping sub-circuit that is coupled with said band pass filter to receive said signal with said specific frequency and generate a clock signal, wherein said second microprocessor is coupled with said shaping sub-circuit to receive said clock signal and calculate a pressure value;

a rectifier that is coupled with said band pass filter to receive said signal with said specific frequency and generate a direct signal;

a peak detector that is coupled with said rectifier to detect the

peak of said direct signal; and

an Analogy/Digital converter that is coupled with said peak detector to receive the peak and transform the peak into a digital signal, wherein said second microprocessor is coupled with said Analogy/Digital converter to receive said digital signal and calculate an absolute coordinate;

65. The digital photo-album according to claim 64, wherein said second image signal is generated according to said pressure value and said absolute coordinate by said second microprocessor.

66. The digital photo-album according to claim 47, wherein said second microprocessor is coupled with said first microprocessor to transmit said second image signal.

67. The digital photo-album according to claim 47, wherein said second microprocessor is coupled with said antenna loop to control to scan position.

68. The digital photo-album according to claim 47, wherein said peripheral apparatus comprises a cordless pen.